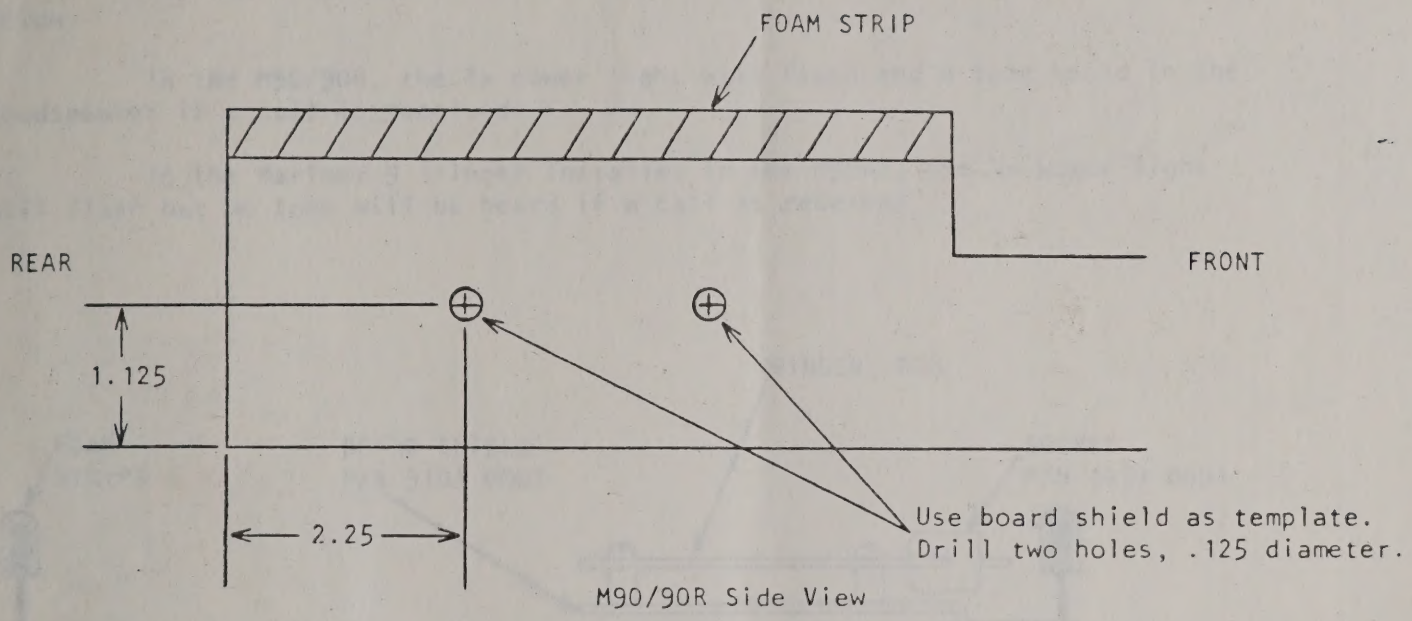
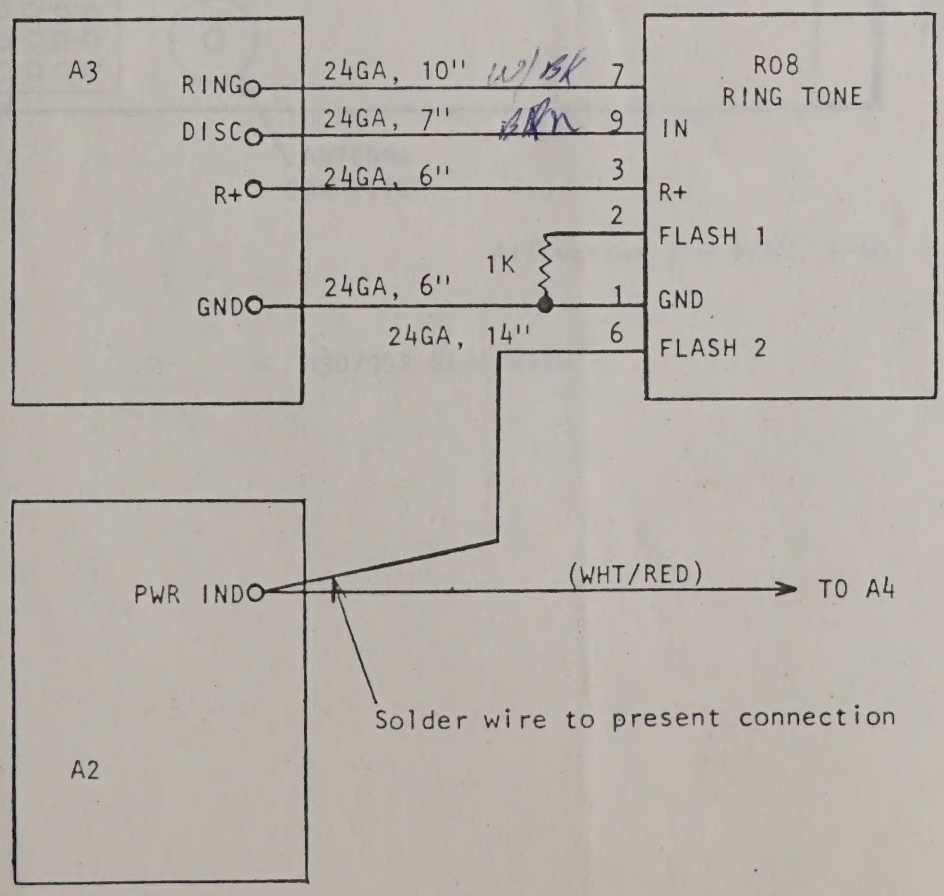
1.4.6 --Continued.

Mount the standoffs as shown below.



Install wires and 1K resistor as shown below.

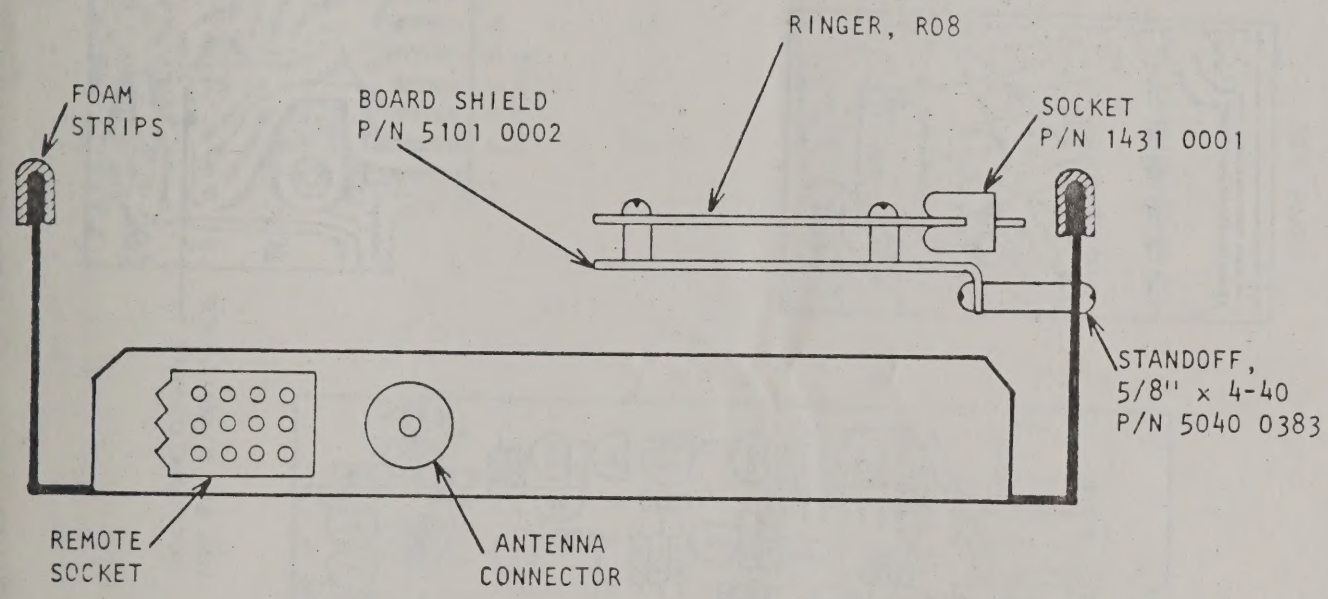


1.4.6 Ringer R08.

The R08 ringer can be used with the M90/90R when installed as shown below.

In the M90/90R, the Tx power light will flash and a tone heard in the loudspeaker if a call is received.

In the Mariner 9 (ringer installed in the M90R), the Tx power light will flash but no tone will be heard if a call is received.



All screws are 1/4", 4-40

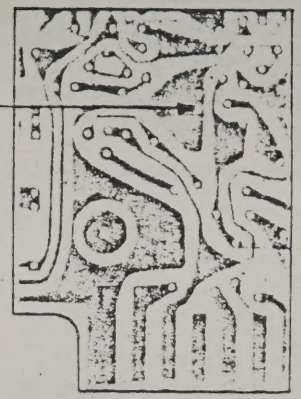
M90/90R REAR VIEW

THIS IS A STANDARD PROPRIETARY PRODUCT
DESIGN, MFG. MARKETING AND MARKETING
BY INTECH INC. THE DESIGN IS THE EXCLUSIVE
PROPERTY OF INTECH

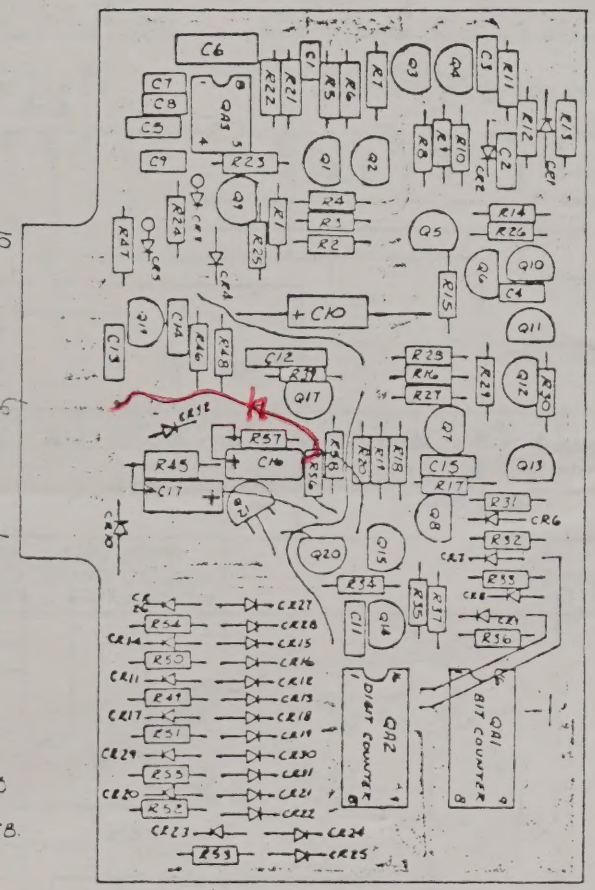
SYM	DATE	DESCRIPTION

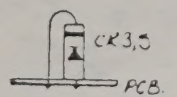
REVISIONS

DRILL 1(ONE) .031 HOLE FOR R57 ON REV C & D BDS.

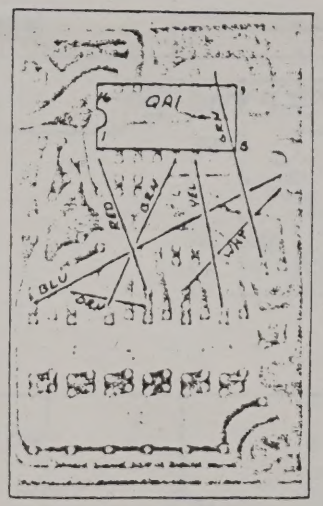


1 2 3 4 5 6
CKT. SIDE

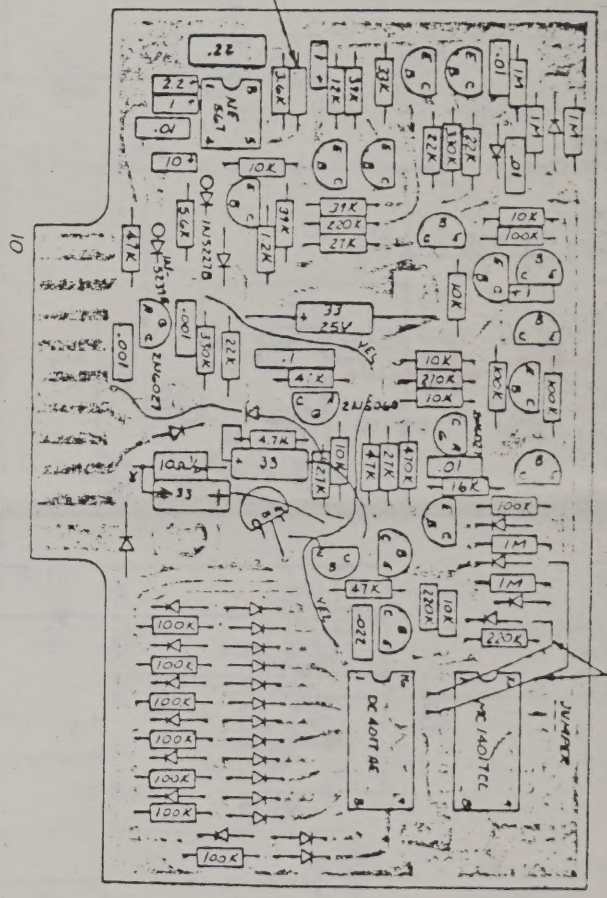




ADD DIODE ON BOTTOM SIDE OF ROT BOARD



COMP. SIDE



NOTES: U.O.S.

1. TRANSISTORS Q1-6, 8-15 ARE T15 98
2. DIODES CR1,2,4,6-31 ARE 1N4148
3. R21 IS SELECTED IN TEST FOR FO = 1500 Hz ± 1%
4. SEE GENERAL NOTE LIST 910107 76-02
5. #26 GA WIRE & TEFLON SLEEVING A/R.

QTY	NEXT ASSY	USED ON
1	LM-157446	76-1

UNLESS OTHERWISE SPECIFIED
ALL CAPACITORS ARE IN MICROFARADS
ALL RESISTORS ARE 1/4 W ±5% AND ARE IN OHMS
A - AVERAGE VALUE SHOWN, OPTIMUM VALUE SELECTED AT INCIDENT TEST
B - TYPICAL NOMINAL LEVEL
C - P.C. BOARD PINS CONNECTION SEQUENCE
D - P.C. BOARD SPACING PRELIMINARY DRAWING
E - COMPONENT LEAD ORIENTATION
F - DESIGNATED ON DRAWING

DRAWN	R. Woods	DATE 12-3-76
CHECKED		
ENG		
MFG		
QA		

intech
INTECH INCORPORATED
SANTA CLARA
CALIFORNIA 950

TITLE: ROT RINGER MODIFICATION

SIZE	CODE IDENT NO	DRAWING NO
C	33967	3-157446

SCALE 2/1 SHEET 1 OF

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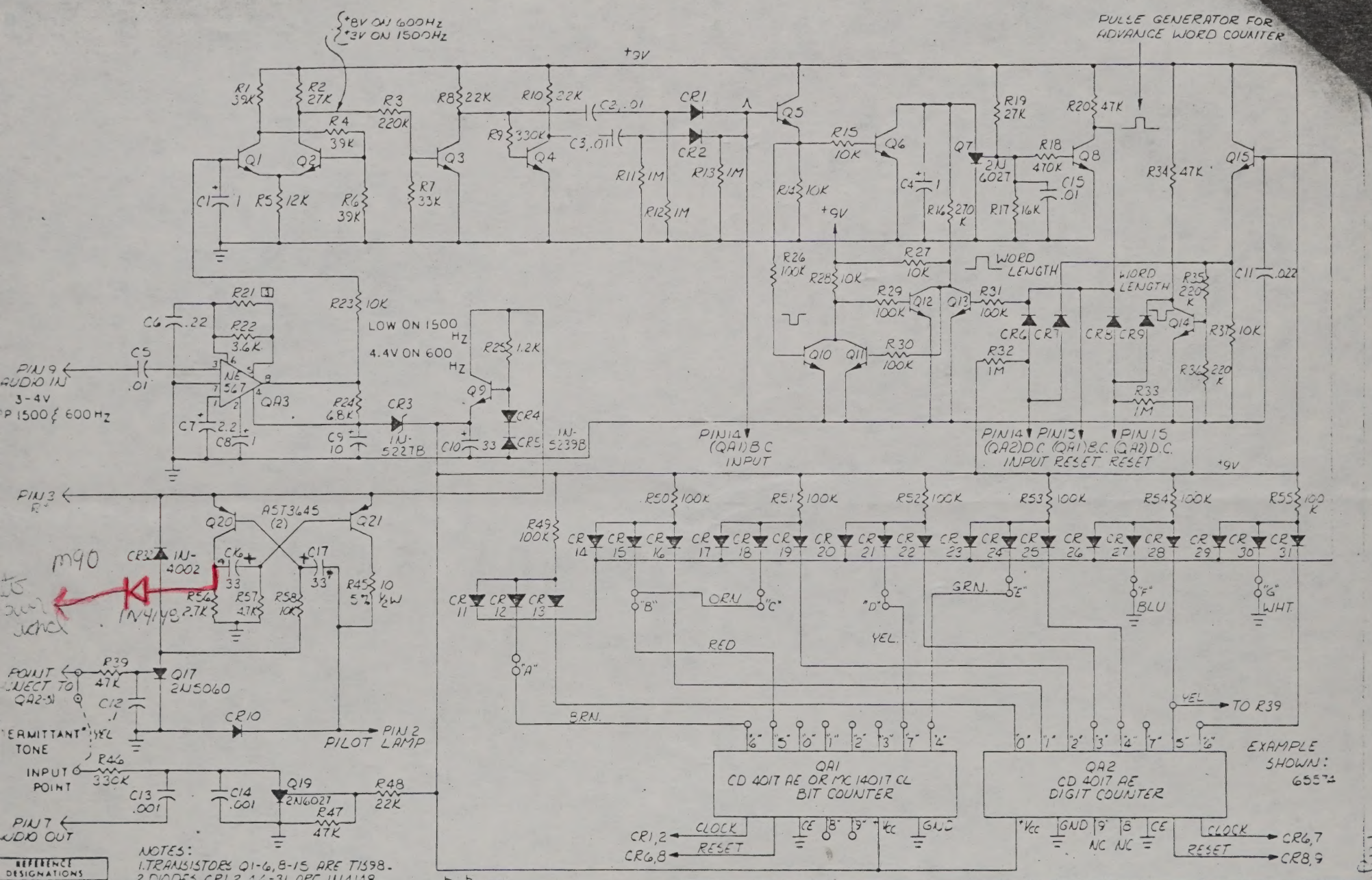
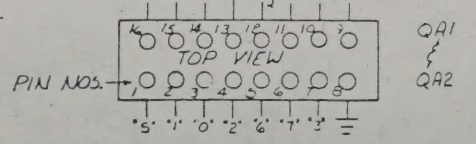
SYM	DATE	DESCRIPTION



NOTES:
1. TRANSISTORS Q1-6, 8-15 ARE T1598.
2. DIODES CR1,2,4,6-31 ARE 1N4148.
[2] R21 IS SELECTED IN TEST FOR FO = 1500Hz ±1%.
4. SEE GENERAL NOTE LIST 910107776-02.



REFERENCE DESIGNATIONS	
USED	DELETED
R8	R33, 40-44
R7	
R32	
R2	R1, R49
R3	-

QTY	NEXT ASSY	USED ON
1	LM-157446	76-1

UNLESS OTHERWISE SPECIFIED ALL CAPACITORS ARE IN MICROFARADS ALL RESISTORS ARE 1/4 W ±5% JUMP ARE IN OHMS

DRAWN MIC DODE 12-5-77
CHECKED 12-14-77
ENG
MFG
QA

intech INTECH INCORPORATED SANTA CLARA CALIFORNIA, 95050

TITLE R07 RINGER MODIFICATION

SIZE	CODE IDENT NO	DRAWING NO	REV
C	33967	1-157446	A

SCALE — SHEET 1 OF 1